

Name: **ARCHANA K BHANGE**
 Designation: Sr. Assistant Professor
 Department: Electronics & Communication Engineering
 Mail ID: archana_k@vnrvjiet.in
 Experience (in years): 17 Teaching: 17 Research: 6 years
 Others(if any, specify):



1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	Thesis Submitted	Wireless Communications
2	M.Tech.	2006	Communication Systems
3	B.Tech.	1999	Electronics & Communication Engineering
4	Secondary (10+2)	1995	Physics, maths, chemistry and biology
5	10 th	1993	--

2. Teaching and Learning:

- 2.1. Teaching Interests: Digital communication, wireless communication, Digital signal processing, Probability theory, Satellite communication, operating systems, Telecommunication switching systems, computer networks, cellular networks
- 2.2. Novel Teaching & Learning Techniques adopted: Active learning methods like POGIL, WIT & WIL, Lab protocol, project based learning, group tasks, discussion forums etc.
- 2.3. Involvement in curriculum updating / Design:
 - Have designed syllabus for subjects like wireless communications, cellular networks, telecommunication switching systems, Adhoc networks, probability and stochastic process.
 - Framed the curriculum of the course “Design Sensitization” for 1st B. Tech as one credit course and curriculum for the course “Design Thinking” at 3rd B. Tech as two credit courses
 - Teaching Design Sensitization course for 1st B. Tech students of all departments of Institute since 2018-2019 Academic Year
 - Teaching Design thinking level-2 course for 3rd year I sem and II sem at Institute level from Academic year 2020-2021.

3. Co-curricular and Extra-Curricular Activities

- 3.1. Interests and Hobbies: Reading technical and spiritual books, listening to music
- 3.2. CCA/ECA Organized:----
- 3.3. CCA/ECA participated:----
- 3.4. Counseling and Mentoring Activity: Student Mentoring
- 3.5. Committees involved in:
 - Department level: Program Assessment Committee member (UG) and Interaction & Consultancy and Academics Projects Committee
 - Institute Level: Coordinator for Centre for Presenting and Design Thinking (CPADT)

4. Conference / Workshop / Seminar / Guest Lectures :

- 4.1. Conducted:
 - Conducted an Online Panel Discussion with the Title: Symbiotic Role of AI and

Other Mezzanine Technologies in Legacy Engineering Disciplines on Feb. 05, 2022 under CPADT.

- Conducted Design Thinking FDP program for internal faculty from 2nd February 2022 to 5th February 2022.
- Conducted one week Design Thinking FDP program for faculty from 31st August 2021 to 4th September 2021.
- Conducted FDP on Design thinking session on Tuesday and Thursday in August 2020
- Organized one-week FDP on Design Thinking for Engineering Education as Coordinator under CPADT, VNRVJIET from 15th June - 20th June 2020
- Organized webinar under CPADT on “Tackling Anxiety in the Context of Impulsive Adaptation to Virtual Classroom” on 28rd May 2020
- Organized Panel Discussion under CPADT on “Amidst Pandemic Outbreak can we claim to be living in Technology Era” on 23rd May 2020
- Conducted Design Thinking FDP for faculty from 20th Jan to 25th Jan 2020.
- Conducted IOT Bootcamp and Hackathon for 3rd B.Tech students during 22nd to 25th March 2019
- Conducted IOT Bootcamp and Hackathon for 3rd B.Tech students during 22nd to 23th Dec 2017 and 11 & 12th Jan 2018
- Conducted workshop for 3rd B,tech students on Matlab, Simulink and Digital signal processing during 17th and 18th Dec 2018.
- Conducted workshop at Institute level for faculty during 7th and 8th June 2018 on Fundamentals of Matlab and Simulink.
- Conducted 5 day Design Thinking workshop for 3rd B,Tech students at Institute level during 9th to 14th March 2018.
- Conducted One day seminar on Matlab and its Toolboxes
- Conducted two day workshop on Basics of Computer Networks
- Conducted Three day workshop on Matlab and Simulink
- Conducted 2 week FDP on Wireless Communications.
- Conducted one week workshop on Matlab and its Toolboxes
- Conducted two days workshop for Mathematics Dept. using Matlab
- Conducted one day Workshop at Anurag Group of Institutions, Ghatkesar Hyderabad on Matrix Analysis Through Octave organized by IIT Hyderabad Teaching Learning Centre & IEEE Hyderabad Section on 16th April 2016.
- Conducted Three day Workshop at VNR VJIET Hyderabad, ECE Dept.on MSP430 during 2016.
- Conducted Two day Workshop at VNR VJIET Hyderabad, Mathematics Dept.on MATLAB during 17 and 18th March 2016.
- Conducted one day Workshop on Matrix Analysis Through Octave organized by IIT Hyderabad Teaching Learning Centre & IEEE Hyderabad Section at mathematics Dept. VNR VJIET Hyderabad on 06th June 2016.
- Conducted BioMedical Signal processing and Its Applications during 13th to 16th Dec 2016.

4.2.Attended:

- A Short Term Training Program on Mixed signal Design for 10 days by Aurora Engg. College, Nalgonda during Aug 2007. Sponsored by AICTE.
- A Short Term Training Program on Real Time Signal Processing of 2 weeks at Osmania University during June 2009. Sponsored by AICTE.
- A Short Term Training Program on Stochastic Variables and Processes of 1 week at VNR VJIET during June 2010. Sponsored by AICTE.

- A Short Term Training Program on Real Time Signal Processing & Image Processing of 2 weeks at VNR VJIET during June 2011. Sponsored by AICTE.
- A Short Term Training Program on Beyond 3G and Advanced Wireless Communications of 2 weeks at Aurora Engg. College, Bhongir during June 2011. Sponsored by AICTE.
- Attended three day workshop on “Digital Signal Processing and programming” conducted by JNTUH, Hyderabad during 27-29 Jan 2012.
- Attended two day workshop on “Simulation of wireless and Mobile Networks using NETSIM” conducted by JNTUH, Hyderabad during 2-3 July 2013.
- Attended two day workshop on “Simulation of wireless Networks “conducted by JNTUH, Hyderabad during 15-16 April 2013.
- Attended two day workshop on Pattern Recognition –Methods and Applications” conducted by PESIT, Bangalore during 18-19 Jul 2013.
- Attended TEQIP CONCLAVE at IIT Hyderabad for 2 days 8-Jan-2014 to 10-Jan-2014
- Attended One day seminar on Matlab Upgrades at HCU.
- Attended 3 day workshop on Wireless sensor node design in Dec 2014.
- Attended POGIL workshop during 8th and 9th Dec 2014.
- Attended one day seminar on Matlab at Taj Krishna Hyderabad in Feb 2015.
- Attended one week workshop at Ahmadabad on Creativity Design and Opportunity Mapping in the month of July, 2015.
- Visited Ananth Technolgy In Dec 2015.
- Attended one day Workshop on Matrix Analysis Through Octave organized by IIT Hyderabad Teaching Learning Centre & IEEE Hyderabad Section on 9th April 2016.
- Attended one day Workshop on Digital Design Through Arduino organized by IIT Hyderabad Teaching Learning Centre on 16th June 2016.
- Attended Faculty Development Program on Practical RF Design organized by E & ICT Academy, VNR VJIET, Hyderabad from 8th August, 2016 to 13th August 2016.
- Attended Faculty Development Program on Sensor Networks and Internet of things organized by E & ICT Academy, NIT Warangal at the Dept. CSE VNR VJIET, Hyderabad from 27thNov, 2016 to 2nd August 2016.
- Attended Faculty Development Program on CRT Matlab 2017 organized by Mechanical Dept. NIT Warangal from 26th December, 2016 to 31st Dec 2016.
- Attended Faculty Development Program on Practical RF Antenna Design during 8/8/2016 - 13/8/2016 organized by E & ICT Academy, NIT Warangal at the Dept. CSE VNR VJIET, Hyderabad.
- Attended 3 day faculty training by Mathworks, Bangalore for “DSP with FPGA training” program from 19th Jun 2017To 21 Jun2017
- Attended Design workshop on "Introduction to Design Thinking and Methods" which was conducted during 13-17 November 2017 at the NID, Ahmedabad
- Attended full day Matlab expo on 27th April 2108.
- Attended workshop on Signal Processing with Simulink at MLR institute of Technology during 23rd to 25th Jan 2018.
- Attended 2 day International Conference of “Design for Social Development” during 14th and 15th Feb 2019
- Attended 2 day National workshop on Wireless Communications at CR Rao Institute on 01th and 02nd Feb 2019.
- Attended 3 day training program at GNITS on Wireless Communication Design with matlab and Simulink during 1st to 3rd April 2019.

- Attended 2-day Online workshop on Understanding Citations and Tips to improve h-index organized by Voice of environment from 06th-07th May 2020.
- Attended Online two-day webinar series on Challenges and Opportunities before Indian Economy due to Pandemic Covid-19 Shri Muktanand College, Gangapur, Maharashtra from 15th -16th May 2020.
- Attended 2-day Online workshop on Simplifying Literature Review & Methods to Write a New Article organized by Voice of environment from 20th-21st May 2020
- Attended One-week Faculty development program on Matlab and Its Applications in AI & ML by Electronica and ICT Academics, NIT Patna from 19th - 26th May 2020
- Attended five-day National level online FDP on Modern Research Trends in Communications, Signal Processing and VLSI/MEMS by Andhra Loyala Institute Of Engg. and Trechnology, Vijayawada from 19th - 23rd May 2020
- Attended Three Day Online workshop on "Online Course Design, Development and Delivery" by UGC-HRDC, UOH, Hyderabad from 26th-28th May 2020
- Attended One week Faculty development program on AI & Data Analytics with Matlab by Electronica and ICT Academics, NIT Patna from 08th - 15th June 2020
- Attended Five-day online FDP on Academic Research in Engineering for Industry and Patents MVSR Engg. College, Hyderabad from 01st to 05th June 2020(5 days)
- Attended National workshop on free ICT tools for e-content development & online teaching by Gojan School of Business and Technology, Chennai on 06.06.2020 & 07.06.2020 (2 days) from 5.30 to 7.30 PM
- Attended online FDP on AI & Data Analytics with MatlabbyElectronica and ICT Academics, NIT Patna 08th - 15th June 2020(one week).
- Attended Online Teaching and E-Content by SOMAIYA Vidyavihar University, Mumbai on 11th & 12th June (2 days) from 4.30 to 7.30 PM
- Attended Five-day online workshop on Importance of routing and Switching concepts in Data Communication and Networking"- A closer by IEEE communications society students' chapter SNIST CISCO networking Academy from 15th -20th June
- Attended5-day technical training on Machine Learning using MATLA by IETE and PANTECH from June 29th 2020-3rd July 2020
- Attended five-day Training program onn Machine Learning using Matlab by PANTECH and IETE from 29th June to 3rd July 2020
- Attended three international faculty development program from 4th July to 6th July 2020 on Research Methodology and Techniques organized by Sandip Institute of Engineering and Management Nashik.
- Attended ASMA Education Leadership Conclave held on 27th November 2020.
- Attended Online National Webinar on “The path to a sustainable Future” organized Indian Institute of Management Sirmaur on October 28,2020.
- Attended Higher & Technical Education Conclave organized by Elets Technomedia on July 24, 2020.
- Attended one week online FDP on “A-Z of writing & Publication in Scopus Indexed Journals” organized by Dept. of Basic sciences and Humanities, GMR Institute of Technology Rajam, AP from August 16-22, 2020.
- Attended online Center for Continuing Education (CCE) program on “Soft Computing Techniques for Emerging Applications (SCTEA)” organized by Dept. of CSE from 5th to 9th October 2020.
- Attended workshop on NS2 organized by NITK-STEP National institute of Technology, Karnataka, Surathakal with Pantech E-learning on 7th and 8th Nov. 2020.

- Attended AICTE STTP under AQIS on “Advanced and emerging trends in Signal Processing using Machine Learning” from 30th Nov. to 5th Dec 2020
- Attended one week FDP on “Applications of Mathematics in Research Methodology & Emerging Technologies” from 12th to 16th October 2020 organized by Dept. of Mathematics, HITAM.
- Attended ATAL Academy online FDP on “Design Thinking from 5th January to 9th Jan 2021 from ICFAI foundation for Higher Education.
- Attended online webinar on Deep Learning and Machine Learning for Signal Processing Applications on 24th Feb 2021 from Mathworks.
- Attended Ahmadabad Learning Dialogues-A Conference on Tracking and Learning on May 14-15, 2021 organized by Ahmedabad University.

WEBINARs attended:

- Webinar on Enabling Innovation Spirit in SMEs in India on Monday 29th June 2020, 4 to 5 PM with speaker Founding team - Advent Lab.
- Enabling Innovation Spirit in SMEs in India. By MIT ID Innovation on Monday 29th June 2020, 4 to 5 PM
- Future of Education by IFEES and Infosys on Thursday, June 11, 2020
- Community-Engaged Innovation: Co-Designing Emerging Technologies with Diverse Stakeholders" by IFEES GEDC IUCEE Webinar on Wed, Jun 10, 2020 5:30 PM - 6:30 PM IST
- Thinking: From Productivity to Creativity by National Productivity Council on 7th June 2020 Time: - from 4:00 pm - 5:30 pm
- Design Thinking is for everyone' y Stanford Great Learning on -6th Jun 2020
- Build with Bharat” Un-conference by NASSCOM on Sat, 6th June 2020 | 03:00 – 06:30 PM
- Creating Business Models for a Contactless Society by NASSCOM on Jun 4, 2020 05:30 PM India
- NASSCOM Product Webinar- “Measuring right” Identify right set of metrics and measure them right to evaluate product success by NASSCOM on 4th June 2:30 PM - 3:30 PM IST Design
- Preparing for Change – When Pedagogy Needs Technology at Times of Crises by IUCEE and Sharjah University UAE on 01st April 2020
- "Combining Engineering Design and Entrepreneurial Mindset Learning: Teaching Entrepreneurship to STEM Students". By IUCEE on 01st April 2020
- Distance Learning with Cloud Based tools from MathWorks by IUCEE and GEDC on 03rd April 2020
- A scalable approach to Distance learning available today by IUCEE and GEDC on 6th April 2020
- Business Model Design: Combining Strategy with a Design Mindset by Q-Glue on 9th April 2020
- Leveraging On demand Learning resources to learn faster, validate your skills and Accelerate Engg. by IUCEE on 10th April 2020
- Quasi Interactive Videos by IUCEE on 12th April 2020
- Matlab webinar by Capricot Pvt Ltd. on 15th April 2020
- NASSCOM Product Connect Webinar: Building and scaling tech products when all hell* breaks loose" by NASSCOM on 15th April 2020
- Upskilling and Engaging Global Engg. Students in IFEES/GEDC activities by IUCEE and GEDC on 15th April 2020

- UML Global Entrepreneurship by IUCEE on 15th April 2020
- Working with Project Teams Online by IUCEE on 16h April 2020
- NASSCOM Product Connect Webinar: Artificial Intelligence - An undying Hope by NASSCOM on 16th April 2020
- "Create better customer experiences with Design Thinking" by Stanford Design Thinking on 25th April 2020
- Opportunity Landscape: Insights for fuelling and fostering innovations by MIT DI Pune webinar 27th April 2020
- Attended FDP on Wireless Communications and Mobile Technologies from 6th to 10th July 2020
- Attended Clarivate Webinar series on End Note, MIT DI Pune, IFEEES GEDC IUCEE Webinar in July 2020.
- Attended MATLAB and its Applications in Engineering using Machine Learning and Deep Learning, National Level Workshop on "Free and Open Source Alternative for Web Conferencing and Teaching Learning in July 2020.
- Attended IEEE Xplore Digital Library for Academics & Research in July 2020.
- Attended NASSCOM virtual fest webinar, ESSCI webinar for CEP, Netsim webinar in July 2020 last week
- Attended Online FDP on Simulation and modelling of Data Communications and Networks in August 2020
- Attended Matlab reonboardig webinar for campus in August 2020
- Attended online faculty development program on signal processing for wireless communications organized by Jayamukhi institute of technology and science from 26th october to 31st October 2020.
- Attended IEEE webinar on "The beginning era versus future: AI on 30th october 2020 from 4.30 pm to 7.30 pm organized by Industry relation team of IEEE India council
- Attended few sessions of Mathematics for Data Science organized by CSE dept. VNRVJIET in October 2020.
- Attended IUCEE webinar by Sharad marathe and presencing Institute webinar, GADLC webinar on flipped classroom, EDU summit and ASMA women awards November 2020
- Attended Research methodology FDP by SVNIT Surat at 9 to 11.30 AM on 1st Dec, 2020 and AN session 2 to 4 PM. Emerging and Advancement in Signal Processing using ML at 4 to 6 PM on 1st Dec 2020
- Attended IEEE summer workshop sessions in Jan 2021.
- Attending ISTE/AICTE-ISTE FDP on Optimization in Communication Engineering from 22 Dec to 29th Dec 2021 by Naranama Institute of Technology and Sciences
- Attended webinar on 9th Dec 2021 at 4.30 to 6.30 on design thinking
- FDP on recent trends and challenges in Image Processing and Computer Vision organized by University School of Information and Communication Technology, Guru Gobind Singh IP University from 29th Nov 2021 to 3rd Dec 2021
- Attended ATAL FDP on Design Thinking: Practical Perspective on Decsion making Education from 3rd Jan 2022 to 7th Jan 2022 organized by Bharatiya Vidya Bhavans Sardar Patel Institute of Technology
- Attended ICTEE online conference from 7th to 9th Jan 2022 orgabized by IUCEE
- Attended FDP on Numerical computation conducted by NIT Patna from 21st Feb 2022 to 5th March 2022 from 10.30 to 4.30 day 1 and from 3 to 7.1 5 PM.
- Attended peace engg. Webinar on 23rd Feb 2022 from 7.30 to 8.30 PM
- Attended Design thinking webinar by IBM on 24th feb 2022 from 11.30 PM to 1 PM

- Attended US-Indo Exchange for Accelerating Progress Towards Sustainability and a Net-Zero World webinar on 24th Feb 2022 from 8.30 to 10 PM
- Attended Design thinking webinar on 25th Feb 2022 from 11 to 12 PM
- Attended design thinking webinar by MIT pune from 3.30 to 4.40 on 16th Feb 2022
- Attended workshop on AI for Commns and SP Applications organized by Siddhartah college of engg. And Technology, viyayawada from 5th Feb to 14th Feb 2022
- FDP on AICSPA by Siddhratha college starting from 5th to 14th Feb from 2 to 6.15 PM

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

- Gave a session on trends in wireless comm. From 1G to 6G for Qualcomm placements students in online mode from 10 to 12.15 PM on 19th March 2022.
- Acted as one of the panel member for panel discussion on “Clearing the Air on 5G Interference on Aviation safety and Impedements in 5G Implementation” organized by IEEE VNRVJiet SB on 5th Feb 2022.
- Acted as resource person for an FDP on Design Thinking conducted by Geethanjali college of Engineering and technology Hyderabad in the month of January 2022.
- Resource person for workshop in CONVERGENCE on Overview of MATLAB and its Applications during 15th and 16th Dec 2021
 - Part of ATAL FDP Organized by Dept. Of ECE from 9th to 13th Aug 2021 and Acted as Session speaker on 9th Aug 2021 in ATAL FDP
- Resource person for guest lecture on “Role of Communication systems in Instrumentation Field” on 30th Dec 2020 for 3rd year B. tech EIE students.
- Presented an online talk on Design thinking for first year Induction program on 02nd Dec 2020.
- Resource person for FDP on Design Thinking for Engineering Education by CPADT, VNRVJiet on 17th June 2020 on Topic “Empathy”
- Resource person for FDP on Design Thinking for Engineering Education by CPADT VNRVJiet on 19th June 2020 on Topic “Ideation”
- Resource person for Virtual webinar series on IOT by IEEE VNR SB CAS Chapter VNRVJiet on 23rd June 2020 on Topic “Fundamentals on Wireless Tech for IOT”
- Speaker for NASSCOM’s Unconference for Initial Round on 30th April 2020
- Conducted full day workshop on DSP Lab experiments for faculty on 10th July 2019 at Matrusri Engineering College, Saidabad Hyderabad
- Presented seminar talk on wireless connectivity during convergence for students under IOT workshop
- Conducted one day hand-on session with APPDesigner toolbox of Matlab for students of Matrusri Engineering College, Saidabad Hyderabad on 02nd November 2019
- Speaker for various workshops: Participated as Session speaker for Design Thinking at VNR VJ Meeting held in Dec 2016.

5.2. Articles/Chapters published in Books:

5.3. Books published:

- Lead Author for Post-Lockdown RESTART MANUAL FRAMEWORK FOR PREVENTION AND MITIGATION OF COVID-19
- Post-Lockdown Restart Manual: Framework For Prevention And Mitigation Of Covid-19 L-96861/2020 (Copyright)

5.4. Projects Guided :

UG :17

- “CAN protocol for industrial Automation”,
- ”DTMF coding and Decoding using MATLAB”
- “Parameter Optimization for wireless Heterogeneous Networks”,
- “Implementation of RM using Verilog”,
- “Menu Ordering Using ZIGBEE”,
- “Wireless Notice Board”,
- “Performance Analysis of Various Face Detection Methods”.
- “Advanced Security Implementation for FM Switch”
- “Radar model implementation using raspberry Pi board”
- “Implementation of Model Radar for Target Distance Identification”
- “Implementation of 802.11 wireless standard in NS2 for video transmission and parameter extraction.”
- “Quality prediction for videos to improve qoe and qos”
- “Performance evaluation of 4g wireless standard for reliable video streaming”
- “Circuit Switch Fallback Implementation”
- “Breast Cancer classification using Convolution Neural Network”
- “Facemask Detection And Warning System Using AI”
(Chandanala Chandana Reg.No:17071a04j0, Gunnala Prajay Reddy Reg.No:17071a04k4, Yedulla Sreeja Reg.No:17071a04n8, Mohammad Tawfiq Reg.No:18075a0443)
- “NLP Based Video Summarization Into Text And Audio”
(Ch. Koushik (17071a0412), G. Manasa (17071a0416), Y.Preethi Chandana (17071a0459), M.Bhavani (18075a0405))
- “WIRELESS ELECTRONIC NOTICE BOARD USING GSM” mini project
- Electronic Notice Board mini project

PG : 10

- FPGA implementation of RFID Mutual Authentication”,
- Train Parameters Optimization
- MAC Layer optimization In WLAN
- VLSI based Physical Layer implementation of 802.11 (OFDM)
- An Efficient Implementation of Vedic Multipliers Using Reversible Gates
- Non-Volatile Logic Gate Based On Resistive Switching Mechanism(STT-RAM)
- Design and Implementation of Street Light Control System To reduce Power Consumption.
- Smart adaptive vehicle lighting system
- A Novel Approach to Improve Video Quality through Wi-Fi Using Ensemble Learning
- Prediction of Video Call Quality over LTE Network

5.5. Research Interests : Signal processing and Wireless protocol Development

5.6. Ph.Dstudents :

- a) Enrolled :
- b) Submitted:
- c) Awarded:

5.7. Papers published in reviewed journals :

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Meta-Heuristic Approach for Resource Optimization in Mobile Real Time Video Traffic	IJCA Vol 110 No 14	973-93-80884-97-3	2.52	International
2	An Efficient Implementation of VEDIC Multipliers Using Reversible Gates	IJ&M Engg.m Mangmnt Research	2348-4845	3.12	International
3	Smart adaptive vehicle lighting system	IJAER	2393-8374,19	--	International
5	Data Analysis Approach on Video Quality of Experience (QOE) Prediction Using ENRQOE Machine Learning	Cape Comorin: An International Multidisciplinary Double-Blind Peer-reviewed Research Journal	Volume III Issue I January 2021.	--	International
6	Prediction of Video Quality over LTE Networks	Psychology and Education	ISSN: 0033-3077	--	International

5.8. Papers presented at National / International conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Parameter Optimization Mechanism For Mobile Terminals in heterogeneous networks	(ICIECE – 2012).	International	July 20-21, 2012
2	Automated Real Time Video Quality Measurement Using Levenberg-Marquardt Backpropagation Algorithm	2014 Fifth International Conference on Signals and Image Processing	International	8-10 Jan 2014
3	Non-Volatile Logic Gate Design Based On Resistive Switching Mechanism (STT-RAM)	4 th International Conference on “Computing, Communications and Sensor Network’, CCSN2015	International	
4	Wireless Dimming for Energy Efficient Street Light Control System	5 th IACC-2017.	International	5-th Jan 2017

5	Street Light Data Acquisition Using VLSI Based Object Recognition	2016 IEEE ICCIC	International	3 days
6	Street Light Data Acquisition Using VLSI Based Object Recognition	2017 IACC IEEE confr	International	5 th Jan 17 to 7 th 17
7.	Video Quality Appraisal Based on MI Modelling in Wireless Networks	Journal of Telecommunication Study Volume 4 Issue 3	National	
8	Study of 802.11 Network Parameters to improve quality of Experience using Ensemble methods	3 rd International conference on Intellegent communication Technologies and Virtual Mobile Networks ICICV 2021	International	4 th to 6 th Feb 2021
9	Video Qoe Prediction Using Regularization Based Regression with Network Qos Parameters	International Conference on “Research and Development in Science, Technology and Management in the Current Era” organized by Indian Academicians and Research Association	National	21 st Feb 2021
10	NVL2E-Neural Network based Video Feature Extraction Enabled Loss Computation to Learn and Evaluate Video Quality	International Conference on Smart Data Intelligence (ICSMDI 2021) organized by Konganadu college of Engg. And Technology, Trichy, Tamil Nadu	International	29 - 30, April 2021

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	FM Switch	X Design ventures	2009-2015	6,00,000/-	Completed
2	FDP on wireless commuications	AICTE	June 2015	7,00,000/-	Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
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6. **Awards / Honors received:** Completed PG Diploma in Innovation and Design Thinking in August 2019 from EMERITUS Institute of management in collaboration with MIT management Execution Design, Columbia Business School and Tuck Executive Education, Dartmouth.
7. **Motto:** With the capabilities bestowed to you, with the resources available, simply do your best.